Cysteamine - Constituent of Co-enzyme A Pantoic acid Pantothenic acid (B5) Coenzyme A Pantetheine- 4'-phosphate 오 -d - 2 Beta-Alanine HS-CH₂-CH₂-NH -C-CH₂-CH₂-NH Cysteamine

Metabolic Pathway of Cysteamine

Cysteine

Synthetase

4'-Phosphopantothenoyl-l

Cysteine

Decarboxylase

Coenzyme A (CoA)

Lysosomal acid phosphatase

Dephospo-CoA

Nuclear or microsomal

nucleotide pyrophosphatases

4' - phosphopantetheine

Pantetheinase **Pantetheine**

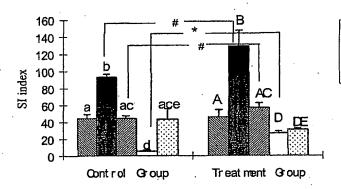
Lysosomal acid phosphatase

Cysteamine

Dioxygenase Hypotaurine

Oxidation

Taurine



⊠Roughage phase

Concentrate phase

Day 8 after rumen operation

Day 4 after duodenum operation

Day 13 after duodenum operation

FIG. 3